



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

January 27, 2016

Jane M. Miller  
Agent for Sinon Corporation  
c/o Biologic Consulting, Inc.  
115 Obtuse Hill Road  
Brookfield, CT 06804

Subject: Label Amendment – Add use sites, update emergency contact and container handling sections  
Product Name: Paraquat Technical Concentrate  
EPA Registration Number: 70552-1  
Application Date: October 29, 2015  
Decision Number: 511071

Dear Ms. Miller:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Mindy Ondish by phone at 703-605-0723, or via email at [ondish.mindy@epa.gov](mailto:ondish.mindy@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Reuben Baris".

Reuben Baris, Product Manager 25  
Herbicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure

## Paraquat Technical Concentrate

### For Formulation of Paraquat Herbicide Products Only

**ACTIVE INGREDIENT**

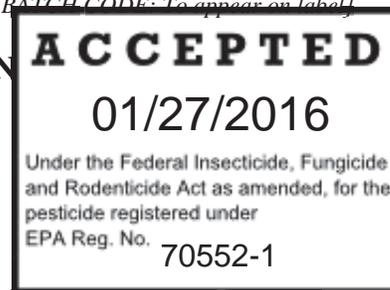
Paraquat dichloride (1,1'-dimethyl, 4,4'-bipyridinium dichloride) .....	46.2%
<b>OTHER INGREDIENTS</b> .....	<b>53.8%</b>
<b>TOTAL</b> .....	<b>100.0%</b>

Contains 3.16 pounds paraquat cation per gallon  
 Contains emetic.

EPA Reg. No. 70552-1

EPA Establishment No. 70552-TWN-001  
*[BATCH CODE: To appear on label]*

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER – PELIGRO**  
  
**POISON/TOXICO**



Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail).

- NEVER PUT INTO FOOD, DRINK OR OTHER CONTAINERS
- IF SWALLOWED, TAKE IMMEDIATE ACTION AS PRESCRIBED IN FIRST AID STATEMENT. SYMPTOMS ARE PROLONGED AND PAINFUL.

<b>FIRST AID</b>	
If swallowed	<ul style="list-style-type: none"> <li>• SPEED IS ESSENTIAL. Immediate medical attention is required. If available, give an adsorbent such as activated charcoal, bentonite or Fuller’s Earth.</li> <li>• Call a poison control center or doctor immediately for treatment.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
If in eyes	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If on skin or clothing	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice</li> </ul>
If Inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance.</li> <li>• Call a poison control center or doctor for further treatment advice</li> </ul>
<b>NOTE TO PHYSICIAN</b>	
Administer either activated charcoal (100g for adults or 2g/kg body weight in children) or Fuller’s Earth (15% solution; 1 liter for adults or 15mg/kg body weight in children).  NOTE: The use of gastric lavage without administration of an adsorbent has not shown any clinical benefit. Do not use supplemental oxygen. Eye splashes from concentrated material should be treated by an eye specialist after initial treatment. With the possibility of late onset corneal ulceration, it is advised that patients with paraquat eye injuries are reviewed by an eye specialist the day after first presentation. Use treatment that is appropriate for chemical burns. Intact skin is an effective barrier to paraquat, however contact with irritated or cut skin or repeated contact with intact skin may result in poisoning.	
<b>HOTLINE</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378. You may also contact the National Poison Control Center, 1-800-222-1222 for emergency medical treatment information.	
For chemical emergency: spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300.	

See additional precautionary statements and directions for use [inside] [on] [label] [booklet].

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### DANGER – POISON



May be fatal if swallowed. Fatal if inhaled. Do not breathe spray mist. Do not inhale contaminated dust. Causes irreversible eye damage. Wear goggles, face shield, or safety glasses. Harmful if absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin.

**IMPORTANT:** Inhalation is an unlikely route of exposure due to low vapor pressure, but mucosal irritation or nose bleeds may occur. Prolonged contact with this product can irritate your skin. The effect of swallowing paraquat concentrate is far more severe than that which usually results from skin contact or inhalation of contaminated plant dust. This product should not cause injury if used according to label instructions.

#### Personal Protective Equipment (PPE)

**When handling or mixing concentrate or when exposure to concentrate is possible, wear:**

- long-sleeved shirt and long pants
- Waterproof gloves
- Chemical resistant apron
- Shoes plus socks
- Face shield
- Protective eyewear
- Dust/mist filtering NIOSH approved respirator with any R, P or HE filter

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet

REMOVE contaminated clothing and wash separately from other laundry before reuse

#### ENVIRONMENTAL HAZARDS

This product is toxic to wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in a National Pollutant Discharge Elimination System (NPDES) permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of EPA.

#### PHYSICAL AND CHEMICAL HAZARD

This product reacts with aluminum to produce hydrogen gas which may form a highly combustible gas mixture. Do not mix or store in containers, tanks, or such systems made of aluminum or having aluminum fittings.

**EQUIPMENT/CONTAINER:** Flush all equipment with water after use each day. Paraquat is corrosive to aluminum. Aluminum equipment and aluminum structures that are exposed to solution or spillage should be flushed thoroughly with water immediately after use.

#### SPILLAGE DURING TRANSPORT

**Emergency Action:** Notify police and fire departments immediately. For any spill, leak, fire, or exposure in the United States, call CHEMTREC 1-800-424-9300.

KEEP PUBLIC AND ANIMALS away from area. MARK ROADS AND WARN OTHER ROAD USERS. WEAR face shield, chemical-resistant gloves, chemical-resistant footwear, and long-sleeve shirt and long pants during decontamination operations.

Clean up spills as soon as possible. Cover spill with generous amount of clay or loam soil to absorb liquid, using a stiff broom to ensure intimate contact. Sweep onto shovel and transfer to plastic bag or other disposable container. Repeat operations until contaminated surfaces are dry. Finally, hose spill site with water, if feasible.

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

Only for formulation into a herbicide for the following uses:

#### (1) TERRESTRIAL FOOD

Acerola; Alfalfa; Almond; Apple; Apricot; Artichoke (globe, Chinese, Jerusalem); Arracacha; Arrowroot; Asparagus; Atemoya; Avocado; Banana/Plantains; Barley; Beans(dried, mung, lima, snap); Beechnut; Biriba; Black sapote; Blackberry; Blueberry; Boysenberry; Brazil nut; Broccoli; Butternut; Cabbage; Cabbage (Chinese); Cacao (cocoa); Calamondin; Canistel; Canna, edible; Carrot (including tops); Cashew; Cassava, bitter and sweet; Cauliflower; Cavalo broccolo; Chayote (fruit and root); Cherimoya; Cherry; Chestnut; Chiquapin; Chufa; Citron melon; Citrus citron; Citrus fruits; Clover; Clover and other Legumes; Coffee; Collards; Corn (field, pop, sweet and seed); Cotton; Cucumber; Currant; Custard apple; Crownvetch; Dasheen (taro); Easter Lilies; Eggplant; Elderberry; Endive (escarole); Fallow land; Feijoa; Fig; Filbert (hazelnut); Garbanzos (including chickpeas); Garlic; Gherkin; Ginger; Gooseberry; Gourd, edible; Grapefruit; Grapes; Groundcherry; Guar; Guava;Hops; Hickory nut; Huckleberry; Ilama; Jaboticaba; Kiwifruit; Kumquat; Lemon; Lentils; Leren; Lettuce; Lime; Loganberry; Longan; Lychee; Lespedeza; Lupine; Loquat; Macadamia nut; Mamey sapote; Mandarin; Mandarin, Satsuma; Mango; Manioc (cassava); Melons (cantaloupe, musk, water); Mint (peppermint and spearmint); *Momordica* spp.; Nectarine; Okra; Olive; Onion; Orange (sour & sweet);; Papaya; Passion fruit; Pastures Pawpaw; Peaches; Peanuts; Pear; Peas; Pecan; Pepino (melonpear); Pepper; Persimmon; Pigeon peas; Pineapple; Pistachio; Plum; Pomegranate; Potato; Prune; Pulasan; Pummelo; Pumpkin; Rambutan; Raspberry (black, red); Rhubarb; Rice; Safflower; Sainfoin; Sapodilla; Sorghum; Soursop; Soybeans; Spanish lime; Squash; Star apple; Starfruit; Strawberry; Sugar apple; Sugarbeet; Sugarcane; Sunflower; Sweet potato; Taniers; Taro; Timothy; Tomatillo; Tomato; Turmeric; Turnip; Trefoil; Tyfon; Vetch; Walnut (English/black); Watermelon; Waxgourd, Chinese; Wax jambu; Wheat; White sapote; Yam (bean and true); Yautia.

#### (2) TERRESTRIAL NON-FOOD

Agricultural fallow/idleland; airports/landing fields; chemical fallow; commercial/institutional/industrial (outdoor); conservation compliance lands; Conservation reserve lands; electric transformer stations, Federal set-aside lands; forest plantings (reforestation programs); premises/equipment (outdoor); pipeline pumping stations, fencerows/hedgerows; grasses grown for seed; jojoba; non-agricultural outdoor buildings/structures; non-agricultural uncultivated areas/soils; ornamental and/or shade trees; ornamental herbaceous plants; ornamental woody shrubs and vines; peach (non-bearing, seed beds); pine (forest/shelterbelt); recreation area lawns; resin soaking (pines); shelterbelt plantings; storage yards; tomato (post-harvest); tree plantation establishment; wood protection treatment to forest products (seasoned).

(3) Uses for which USEPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration; and

(4) Uses for experimental purposes that are in compliance with USEPA requirements.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment.

**PESTICIDE STORAGE:** Store at temperatures above 32° F. Do not contaminate food, foodstuffs, or drinking water. Do not store next to feed or food, or transport in or on vehicles containing foodstuffs or feeds. For help with any spill, leak, fire or exposure involving this material, call CHEMTREC 1-800-424-9300.

**PESTICIDE DISPOSAL:** Open dumping is prohibited. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING:** *[For 60 gal., nonrefillable, rigid container:]* Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into a tank or rinsate collection system. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into a tank or rinsate collection system or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

*[250 gal., refillable, rigid:]* Refillable container. Refill this container with Paraquat Dichloride only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into a tank or rinsate collection system. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into a tank or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

#### **WARRANTY STATEMENT**

SINON CORP. warrants that this product conforms to the chemical description on the label and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. To the extent consistent with applicable law:

- All such risks shall be assumed by Buyer and User;
- The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall not exceed the purchase price paid for this product; and
- SINON CORP. makes no warranties of merchantability or of fitness for a particular purpose nor for any other expressed or implied warranty except as stated above.

#### **Manufactured by:**

Sinon Corporation  
23, Sec. 1, Mei Chuan W. Road  
Taichung 40357  
Taiwan, ROC

#### **U.S. contact information:**

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Lafayette, CA94549  
Tel: 925-299-1418